



Applicant : Howard F. Gokey
Application No : 10/084,786
Filed : 06/14/2002
Title : Bar Clamp Corner Squaring Fixture

Art Unit : 3723
Confirmation Number : 6223
Examiner : Watson, Robert C.

Honorable Commissioner for Patents
Washington, D.C. 20231

Amendment
July 12, 2004

Honorable Commissioner for Patents:

In response to the April 22, 2004 communication concerning the above identified patent application, please amend the application as follows.

In the CONTENTS section of the Application

Information is added to meet submittal requirements and the application pages are organized and numbered. All new sheets are attached to this amendment and dated July 12, 2004. These sheets will replace all previous sheets and documentation provided in the Original Application dated June 14, 2002 and the Continuance of Applications dated January 27, 2003 and February 24, 2004.

In the ABSTRACT section of the application

First sentence in paragraph three (3) was changed:

From:

The Adaptor is designed to be unattached from the bar clamp assembly that provides the clamping function.

To

The Adaptor's unique design allows it to be unattached from the bar clamp assembly that provides the clamping function

In the SPECIFICATIONS section of the application

- 1) First sentence in paragraph four (4) had the words “drawers or any similar four sided assembly” added.
- 2) The last sentence in Paragraph 4 (Cardboard or paper can be placed over the fixtures to prevent excess glue from getting on the fixtures.) was separated into paragraph 5 for clarity

In the BACKGROUND section of the Application

- split
- 1) The first paragraph was split into two paragraphs and a fourth paragraph was added. These changes were made for clarity purposes. The first paragraph was approximately in the middle after the sixth sentence and the words”parallel opposing surfaces.”
 - 2) The first two sentences of the new second paragraph were changed as follows:

From:

However, these clamping devices cannot hold the work pieces or other articles in a square position that is often required. For example, to grip the corner of picture frames specialty configured miter jigs having mitered gripping surfaces have been designed.

To:

At the present time, clamping devices cannot hold the work pieces or other articles in a square position that is often required. For example, to grip the corner of picture frames, drawers or other similar assemblies special configured miter jigs having mitered gripping surfaces have been designed.

- 3) The fourth paragraph that was added is as follows:
The present invention provides the versatility of not requiring to be attached to a special jig but can be used on different bar clamps. It can also maintain the assembly in a square, level fashion as the Bar Clamp Corner Squaring Fixture has a bottom which allows the pieces to rest on them while they are being assembled.

In the SUMMARY OF THE INVENTION section of the application

Negative references to current devices have been removed from the Third paragraph.

The following words have been deleted:

... which current devices are not capable of doing because they are attached to the jaws on the beam clamping devices which are inherently loose and do not provide a support on the base like the Bar Clamp Corner Squaring Fixture.

And replace with:

This is an important requirement when attempting to assemble parts cut at 45 degrees. If the parts are not maintained in a level position the corners will “open” and will not provide a professional appearance. The Bar Clamp Corner Squaring Fixture is capable of keeping the corners square and level because they are nested in the jaws on the beam clamping devices which apply pressure to each device and the Bar Clamp Corner Squaring Fixture provides a support for the assembly that is being put together.

In the DESCRIPTION OF DRAWINGS section of the application.

1) Description of Figure 1A - Second sentence was changed

From:

Provided dimensional information for the adaptors

To:

The dimensional information for the adaptor is also provided in three (3) separate views of the adaptor.

2) Description of Figure 2A – Sentence is changed

From:

Shows all four adaptors in place and how they would be clamped with four beam clamp assemblies.

To:

Shows all four adaptors in place and how they would clamp a picture frame with four beam clamp assemblies

In the CLAIMS section of the application

All five claims listed in the February 24, 2004 submission are removed and replaced in their entirety by the following three claims.

What I claim is:

- 1) A clamping system comprising of:
 - a first beam clamp including a beam and a pair of opposing jaws;
 - a second beam clamp including a beam and pair of opposing jaws;
 - a third beam clamp including a beam and a pair of opposing jaws;
 - a fourth beam clamp including a beam and a pair of opposing jaws,
 - a set of four unattached adaptors designed to nest into the first and second beam opposing jaws,
 - will provide a plurality of clamping functions when the third and fourth beam clamps are place perpendicular to the first and second beam clamps and will facilitate the process of holding frames, drawers or other similar items in square while they are glued or otherwise permanently joined together.
- 2) Adjusting the clamping system requires moving the opposing jaws of the beam clamping devices. Major adjustments are easily made by sliding the jaws along the beam and do not require any turning of screw adaptors.
- 3) The picture frame, drawer or other similar item will be held flat and in square as the Bar Clamp Corner Squaring Fixture supports the assembly with the metal plate that is welded across the bottom of the fixture.